

Title (en)  
Electronic connection device for a lamp

Title (de)  
Vorrichtung für eine elektronische Verbindung für eine Lampe

Title (fr)  
Dispositif de connexion électronique pour une lampe

Publication  
**EP 2046099 A1 20090408 (EN)**

Application  
**EP 08164248 A 20080912**

Priority  
FI 20075702 A 20071004

Abstract (en)  
The invention relates to a lamp, comprising a fluorescent lamp (100) for the generation of illuminating radiation. The lamp comprises an electronic connection device (102) for providing an ignition voltage for the fluorescent lamp for activating the generation of illuminating radiation, the electronic connection device (102) comprises at least two switching transistors (Q1, Q2) for feeding current to a coil (L1) which develops an ignition voltage for the fluorescent lamp (100). The electronic connection device (102) has integrated therewith a control circuit (104) which measures the current of the at least two switching transistors (Q1, Q2) and, while in the process of measuring, the control circuit (104) detects whether an excessively high current is flowing through one or more switching transistors (Q1, Q2), whereby the control circuit (104) limits the excessively high current to a lower current level.

IPC 8 full level  
**H05B 41/298** (2006.01); **H05B 41/292** (2006.01)

CPC (source: EP FI)  
**H05B 41/2855** (2013.01 - EP); **H05B 41/2856** (2013.01 - EP); **H05B 41/2926** (2013.01 - EP); **H05B 41/2986** (2013.01 - EP FI)

Citation (applicant)  
US 4873471 A 19891010 - DEAN THOMAS E [US], et al

Citation (search report)  
• [X] US 4873471 A 19891010 - DEAN THOMAS E [US], et al  
• [X] US 2006197470 A1 20060907 - RIBARICH THOMAS J [US], et al  
• [A] DOSHI M ET AL: "Low frequency architecture for multilamp CCFL systems with capacitive ignition", APPLIED POWER ELECTRONICS CONFERENCE AND EXPOSITION, 2005. APEC 2005. TWENTIETH ANNUAL IEEE AUSTIN, TX, USA 6-10 MARCH 2005, PISCATAWAY, NJ, USA, IEEE, US, vol. 2, 6 March 2005 (2005-03-06), pages 1072 - 1078Vol.2, XP010809429, ISBN: 978-0-7803-8975-5

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2046099 A1 20090408**; **EP 2046099 B1 20120307**; AT E548889 T1 20120315; FI 121049 B 20100615; FI 20075702 A0 20071004; FI 20075702 A 20090405

DOCDB simple family (application)  
**EP 08164248 A 20080912**; AT 08164248 T 20080912; FI 20075702 A 20071004